




## ECS Configuration Change Request

Page 1 of 2 Page(s)

1. Originator Evan Winston	2. Log Date: <b>1 MAY 00</b>	3. CCR #: <b>00-0470 -</b>	4. Rev:	5. Tel: 301.925.0348	6. Rm #: 2013	7. Dept. DEV/CO
8. CCR Title: Test Executable 5A.06 Faun Triumph.01 (DpPRResourceManager lock)						
9. Originator Signature/Date  4/30/2000		10. Class <b>II</b>	11. Type: CCR	12. Need Date: 1May2000		
13. Office Manager Signature/Date  4/30/2000		14. Category of Change: Other		15. Priority: (If "Emergency" fill in Block 28). Emergency		
16. Documentation/Drawings Impacted: N/A		17. Schedule Impact: N/A		18. CI(s) Affected: N/A		
19. Release Affected by this Change: 5A		20. Date due to Customer:		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: NCR ECSed26359						
23. Problem: (use additional Sheets if necessary) Lower priority jobs are not allowed to release resources because they are getting blocked from obtaining a lock by higher-priority jobs. Lock Manager should favor deallocation operations in granting lock This is a GDAAC requested fix. Modified ResourceMgmt and ExecutionMgmt code in DPS to issue requests for an "expedited" lock when it is desired to deallocate (mainly) cpu resources. This will allow jobs to quickly finish the deallocation step in Autosys and make room for jobs waiting to get in.						
24. Proposed Solution: (use additional sheets if necessary) Apply the fixes merged for NCR26359 to the current 5A baseline and provide as a Test Executable to the DAACs to resolve the identified 8mm problems. This includes DpPrResourceManager and ExecutionManager changes to lock processing. CM builds a TAR file for the listed files from the current 5A baseline and delivers to the SMC. SMC make these files available to ALL DAACs. Refer to continuation page for file names and DAAC install instructions.						
25. Alternate Solution: (use additional sheets if necessary) Take no action now and wait until 5B is available at the DAACs.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) DAACs must continue to work around the lock allocation problems and/or modify operating procedures.						
27. Justification for Emergency (If Block 15 is "Emergency"): Resolves DAAC operational problem.						
28. Site(s) Affected: <input type="checkbox"/> EDF <input type="checkbox"/> PVC <input type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date):		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
33. M&O CCB Chair (Sign/Date):  5/1/00		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
34. ECS CCB Chair (Sign/Date):		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS				

CM01JA00

ECS/EDF/SCDV/M&amp;O

ORIGINAL

05-01-00P12:59 0402

## ADDITIONAL SHEET

CCR #: 00-0470 Rev: — Originator: Evan Winston

Telephone: 301.925.0348 Office: DEV/CO

Title of Change: Test Executable 5A.06 Faun Triumph.01 (DpPRResourceManager lock)

CM: PLEASE, build TAR file(s) for the listed files from current 5A baseline and provide to the SMC.  
Sun TAR

~~/ecs/formal/PDPS/DPS/PRONG/src/ExecMgmt/DpPrExecutionManager~~  
~~/ecs/formal/PDPS/DPS/PRONG/src/RsrcMgmt/DpPrResourceLock~~  
~~/ecs/formal/PDPS/DPS/PRONG/src/RsrcMgmt/DpPrResourceManager~~

*bin/sun5.5/EcDpPrEM*  
*not needed*  
*05/01/2000*

SMC: Receive the TAR file(s) and make available to the DAACs.

DAAC Install Instructions:

1. 1. Get Files from SMC distribution;  
Use the 'cp' from the command line to install/replace files.

2. REPLACE all occurrences of <sup>the</sup> ~~2~~ files <sup>is</sup> that are included with this TE mode-by-mode, using the same permissions levels and ownerships as previous file.

CM01AJA00

# ORIGINAL